CLAIMS

1. A ribbon-like optical fiber core assembly comprising:

a plurality of optical fiber cores arranged planarly, and

at least one tape layer for integrating said optical fiber cores into one body, wherein

said tape layer has tensile strength higher than adhesive force of said tape layer to said optical fiber cores.

2. The ribbon-like optical fiber core assembly according to Claim 1, wherein

said tape layer includes a film base, and an adhesive layer.

3. The ribbon-like optical fiber core assembly according to Claim 1, wherein

said tape layer has a high flame retardancy.

4. The method of separating a ribbon-like optical fiber core assembly defined in Claim 1 into single cores, comprising the steps of:

peeling at least one portion of said tape layer; and

applying pulling force on said tape layer in a direction of detachment from said optical fiber cores to thereby peel

said tape layer up to a predetermined position.

5. A film for tape core assembly comprising:

a flexible film capable of integrating a plurality of optical fibers as a tape, and

position limiting portions formed so that the positions of said plurality of optical fibers is capable to be limited.

6. The film for tape core assembly according to Claim 5, wherein

said position limiting portions are formed so that the pitch of arrangement of said position limiting portions at one end portion of said film for tape core assembly is different from the pitch of arrangement of said position limiting portions at the other end portion of said film for tape core assembly.

7. A ribbon-like optical fiber core assembly comprising:

a plurality of optical fiber cores arranged planarly, at least one film base, and

an adhesive layer, wherein

said plurality of optical fiber cores are disposed so that gaps are formed between adjacent ones of said optical fiber cores respectively;

said adhesive layer is interposed in said gaps so that said gaps are filled with said adhesive layer; and

said film base is provided so that said plurality of optical fiber cores and said adhesive layer are covered with said film base.

8. A method of producing a ribbon-like optical fiber core assembly, comprising the steps of:

arranging a plurality of optical fiber cores planarly at designated intervals; and

covering said arranged optical fiber cores with at least one film base after bonding said arranged optical fiber cores to one another by an adhesive layer so that said adhesive layer is interposed between said arranged optical fiber cores.

9. The tape core assembly-containing connector comprising:

either of a ribbon-like optical fiber core assembly according to Claim 7 and a ribbon-like optical fiber core assembly formed by a method according to Claim 8, and

a multi-core connector connected with said ribbon-like optical fiber core assembly.

10. The tape core assembly-containing fiber array comprising:

either of a ribbon-like optical fiber core assembly according to Claim 7 and a ribbon-like optical fiber core assembly formed by a method according to Claim 8, and

a fiber array connected with said ribbon-like optical fiber core assembly.

11. The optical wiring system comprising:

either of a ribbon-like optical fiber core assembly according to Claim 7 and a ribbon-like optical fiber core assembly formed by a method according to Claim 8, wherein said ribbon-like optical fiber core assembly is wired.